(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/047899 A2

(51) International Patent Classification[7]: G01N 33/50

(21) International Application Number:
PCT/US2004/036952

(22) International Filing Date:
4 November 2004 (04.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/518,476	7 November 2003 (07.11.2003)	US
60/519,085	10 November 2003 (10.11.2003)	US
60/592,926	30 July 2004 (30.07.2004)	US

(71) Applicant *(for all designated States except US)*: **ACADIA PHARMACEUTICALS INC.** [US/US]; 3911 Sorrento Valley Road, San Diego, CA 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **NASH, Norman** [CA/US]; 10495 Abalone Landing Terrace, San Diego, CA 92130 (US). **SCULLY, Audra, L.** [US/US]; 1469 Sapphire Drive, Carlsbad, CA 92009 (US). **GARDELL, Luis** [US/US]; 12360 Carmel Country Road, Apt. #205, San Diego, CA 92130 (US). **OLSSON, Roger** [SE/SE]; Klagshamnsvagen 99A, S-2304 Bunkeflo Strand (SE). **GUSTAFSSON, Magnus** [SE/DK]; Frederiksvej 47, 1.th., DK-2000 Frederiksberg (DK).

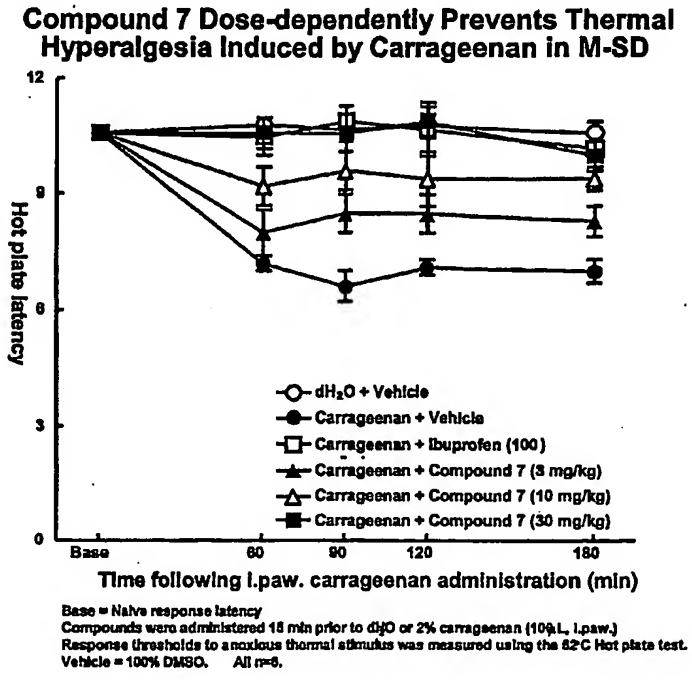
(74) Agent: **HART, Daniel**; Knobbe Martens Olson & Bear LLP, 2040 Main Street, 14th Floor, Irvine, CA 92614 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: USE OF THE LIPOXIN RECEPTOR, FPRL1, AS A TOOL FOR IDENTIFYING COMPOUNDS EFFECTIVE IN THE TREATMENT OF PAIN AND INFLAMMATION



(57) Abstract: Disclosed herein are compounds that selectively activate the FPRL1 receptor. Further disclosed are methods of alleviating inflammatory responses by regulating key steps in leukocyte trafficking and preventing neutrophil-mediated tissue damage by administering to a subject a therapeutically effective amount of the compounds disclosed herein. In addition, methods of modulating, or specifically agonizing, the FPRL1 receptor by administering an effective amount of the compounds disclosed herein are provided.

WO 2005/047899 A2

European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.